



NASA Education



$E=mc^2$



Inspire. Engage. Educate. Employ.

NASA Advisory Council

Ad Hoc Task Force on STEM Education

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Hello, NASA Education!

Priorities as AA

- Develop and implement NASA's education programs that strengthen student involvement and public awareness about NASA's scientific goals and missions
- Communicate NASA's unique position and capabilities in STEM education
- Lead the Education Coordinating Committee
- Serve on the Office of Science and Technology Policy's Committee on STEM (Co-STEM) to continue coordinating and leveraging NASA's education programs and opportunities with other federal agencies

Previous Experience

- Director of the Strategic Communications and Education Directorate at NASA's Ames Research Center in Mountain View, California
- Began NASA career in 1982 as a Presidential Management Intern at the Goddard Space Flight Center in Greenbelt, Maryland
- Served NASA for more than 30 years in numerous capacities, including public affairs, human capital management and strategic communications.
- Senior advisor and executive officer for the NASA Education Enterprise at NASA Headquarters in 2002-2003

What's New?...Ad Hoc Task Force on STEM Education

Two-year Task Force will consist of an external group of top-level advisors who will advise NASA on appropriate strategic Federal collaborative efforts and:

- Address the requirements for enhanced reliance on choosing programs using evidence-based standards and through a more competitive model of program selection, and how best to leverage Agency-unique missions including flight projects to maximize the educational benefits to the Nation.
- Consider how best to defragment Agency education efforts across Mission Directorates, Centers and other organizations, and how to increase internal coordination and collaboration, while leveraging the agency's federal assistance portfolio.

NASA Education's Focus Areas

- **Office of Management and Budget (OMB)**
- **STEM Education and Accountability Projects Competition**
- **The National Science and Technology Council (NSTC) Committee on STEM Education or (CoSTEM)**

Co-STEM Priorities

- Improving K-12 STEM teacher education
- Increasing and sustaining engagement in STEM
- Enhancing the STEM experience of undergraduate students
- Better serving groups traditionally underrepresented in STEM fields
- Designing graduate education for tomorrow's STEM workforce

NASA Education's Focus Areas

➤ **Interagency Working Groups (IWGs)**

- STEM Engagement
- P-12 STEM Instruction
- Undergraduate STEM Education
- Graduate STEM Education
- Broadening Participation

➤ **Collaborations/Partnerships**

- US Department of Education (ED) Collaboration for 21st Century Community Learning Centers
- National Institute for Food and Agriculture (NIFA)

➤ **Staffing**

- Four available positions

What do the numbers show?...Office of Education Performance Measurement

The **Office of Education Performance Management (OEPM)** provides the OE with a centralized system for Education activity data collection and reporting.

Add Value

- Standardized and controlled data collection and reporting capability
- Business intelligence reports that have reduced reporting response times from weeks to hours

OEPM Sample Data

FY 2013 OEPM Analytical Dashboard

The number of affiliates	1,591
The total number of NASA student participants who received direct awards	5,108
The total number of NASA student participants that received significant direct awards	3,399
The total number of educators (pre-service and in-service k-12, informal educators, and higher education faculty) that participate in NASA-supported professional development, research and internships	305,936
The number of elementary and secondary students that participate in NASA STEM engagement activities	1,024,449

Thank You!